FIG.1 PRIOR ART

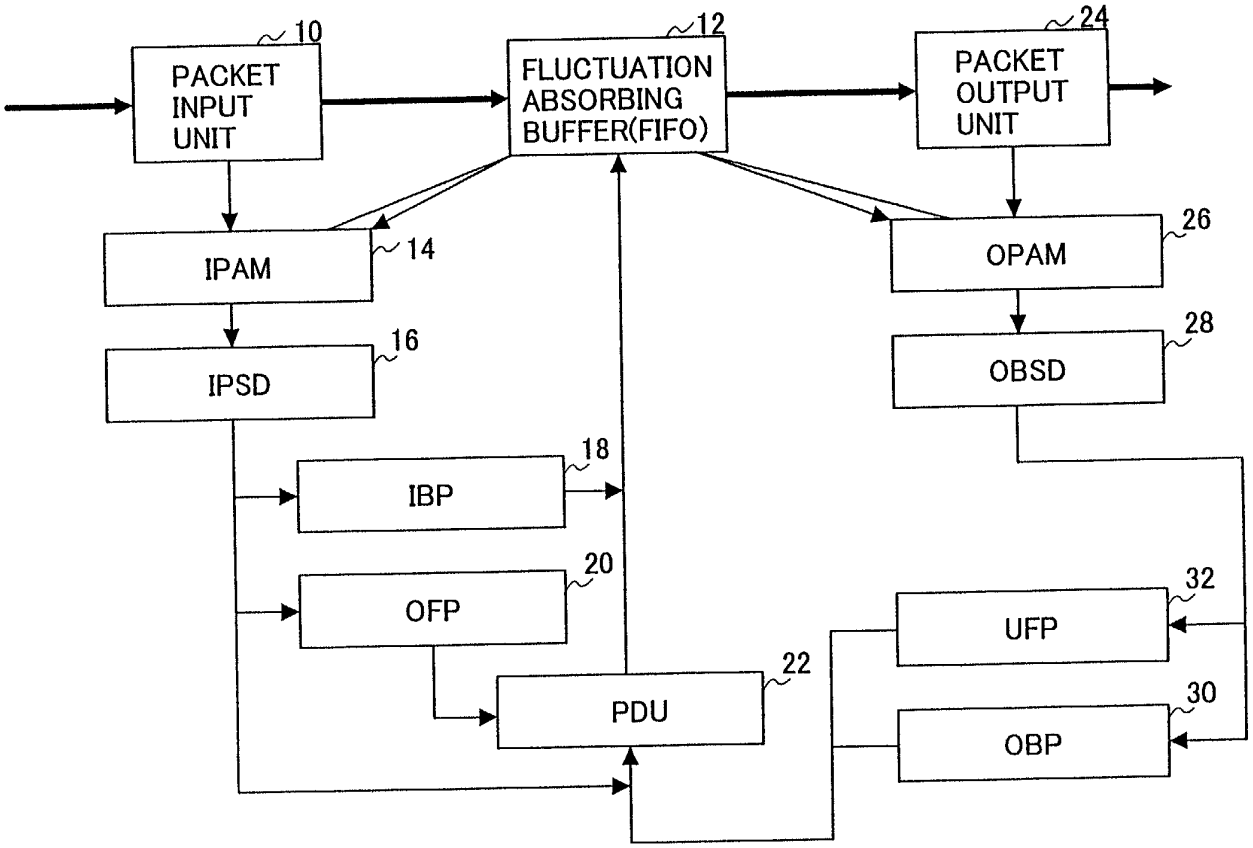


FIG.2

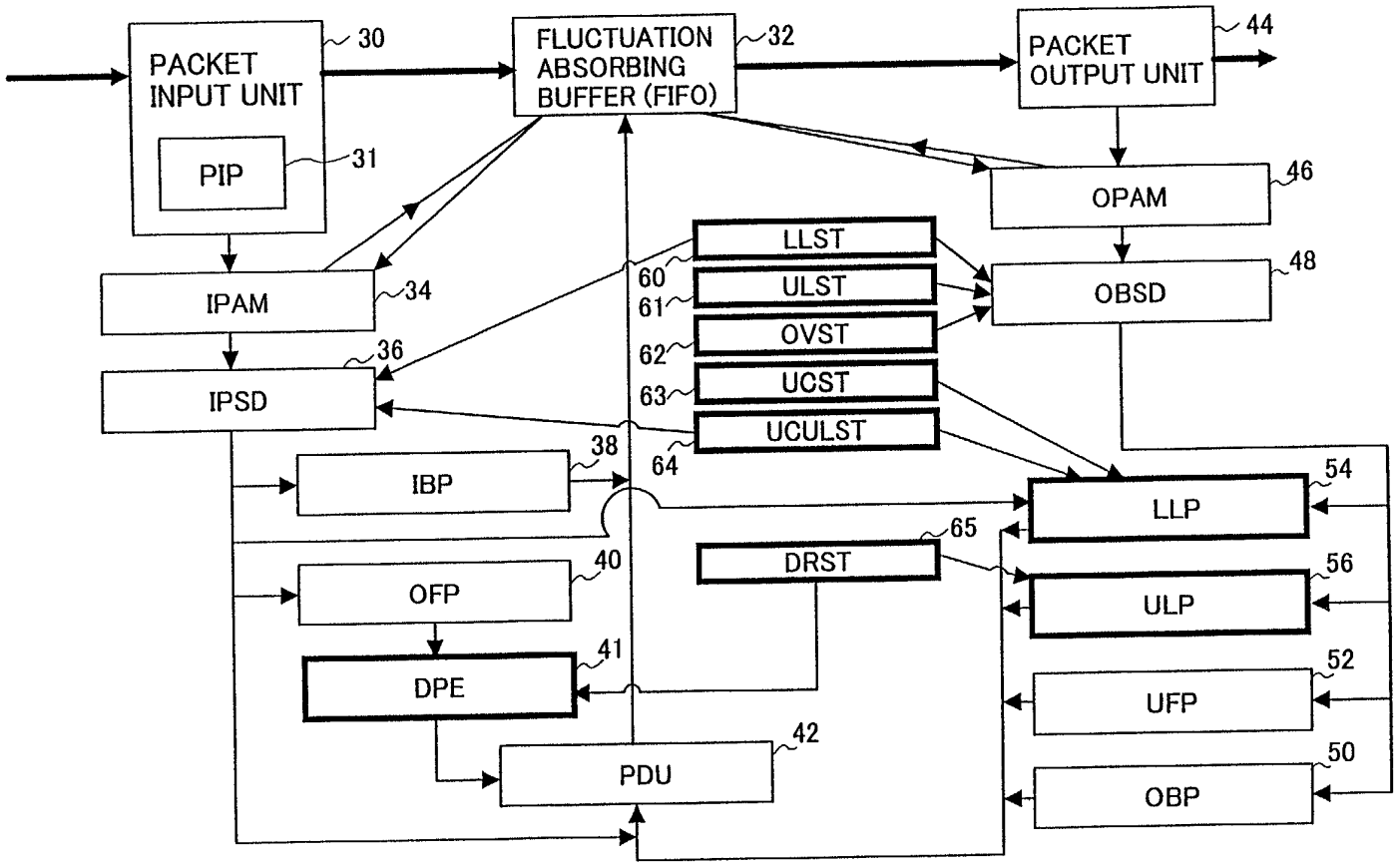

PACKET INPUT UNIT
30
PIP
31
FLUCTUATION ABSORBING BUFFER (FIFO)
32
PACKET OUTPUT UNIT
44
OPAM
46
OBSD
48
IPAM
34
IPSD
36
LLST
60
ULST
61
OVST
62
UCST
63
UCULST
64
IBP
38
OFP
40
DPE
41
PDU
42
DRST
65
LLP
54
ULP
56
UFP
52
OBP
50

FIG.3

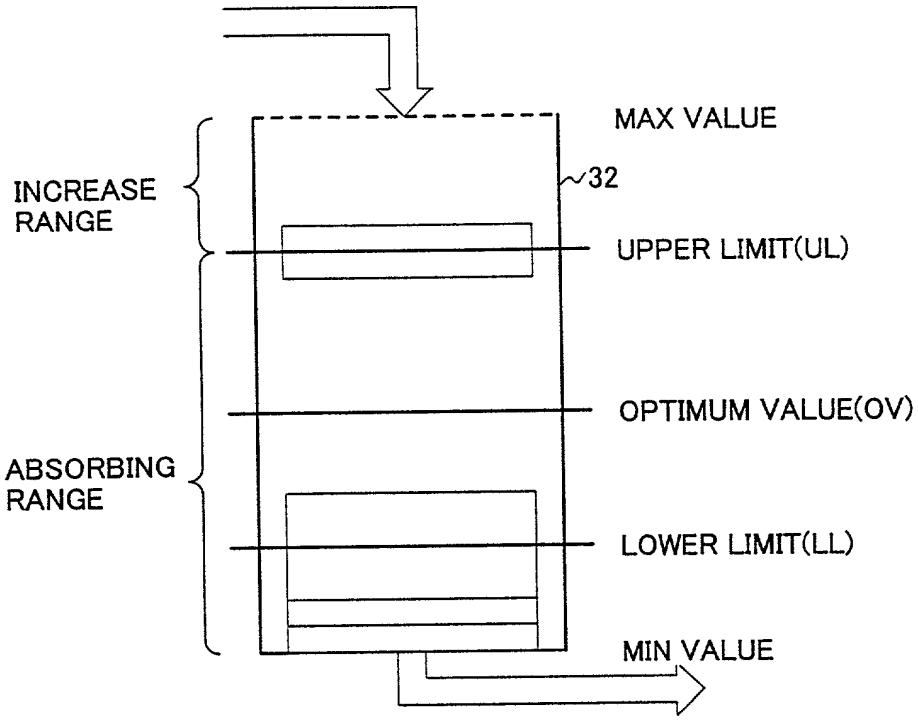

MAX VALUE
32
INCREASE RANGE
UPPER LIMIT(UL)
OPTIMUM VALUE(OV)
ABSORBING RANGE
LOWER LIMIT(LL)
MIN VALUE

FIG.4

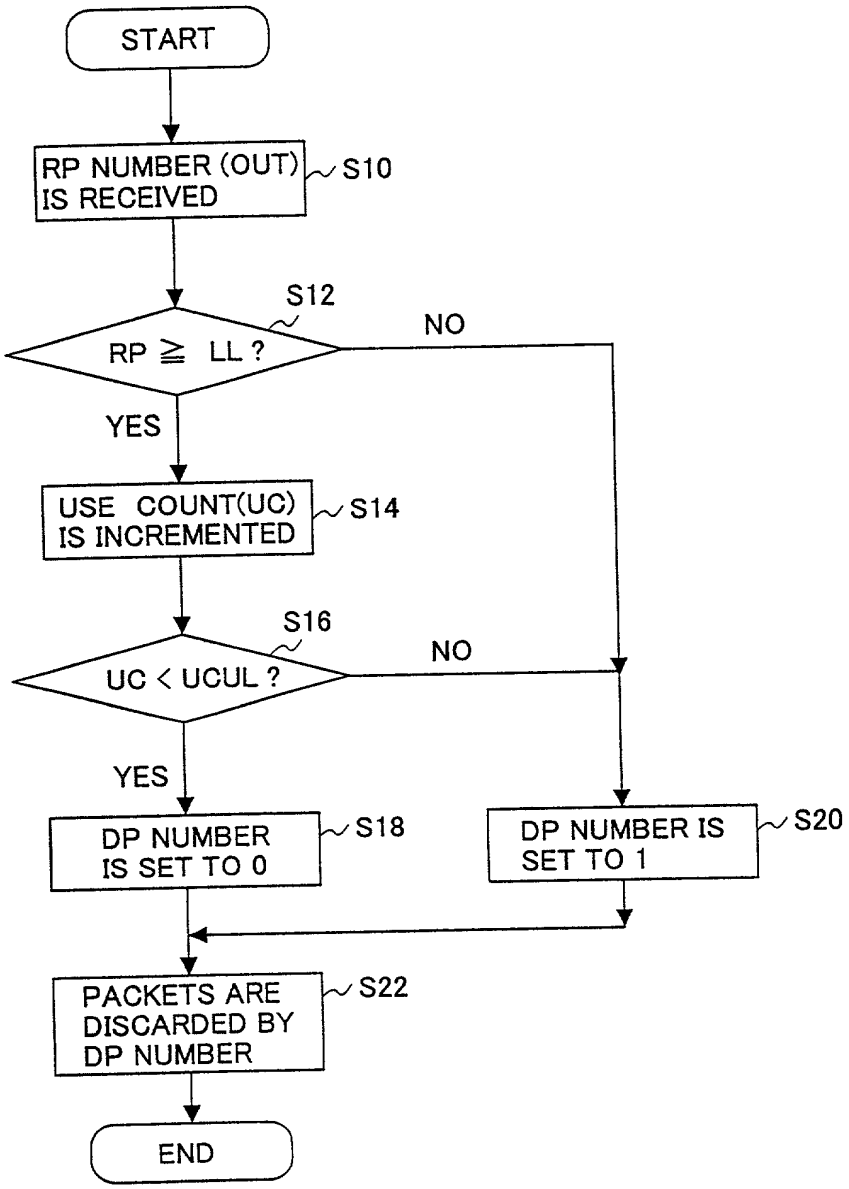

START
RP NUMBER (OUT) IS RECEIVED
S10
S12
RP ≧ LL ?
NO
YES
USE COUNT(UC) IS INCREMENTED
S14
S16
UC < UCUL ?
NO
YES
DP NUMBER IS SET TO 0
S18
DP NUMBER IS SET TO 1
S20
PACKETS ARE DISCARDED BY DP NUMBER
S22
END

FIG.5

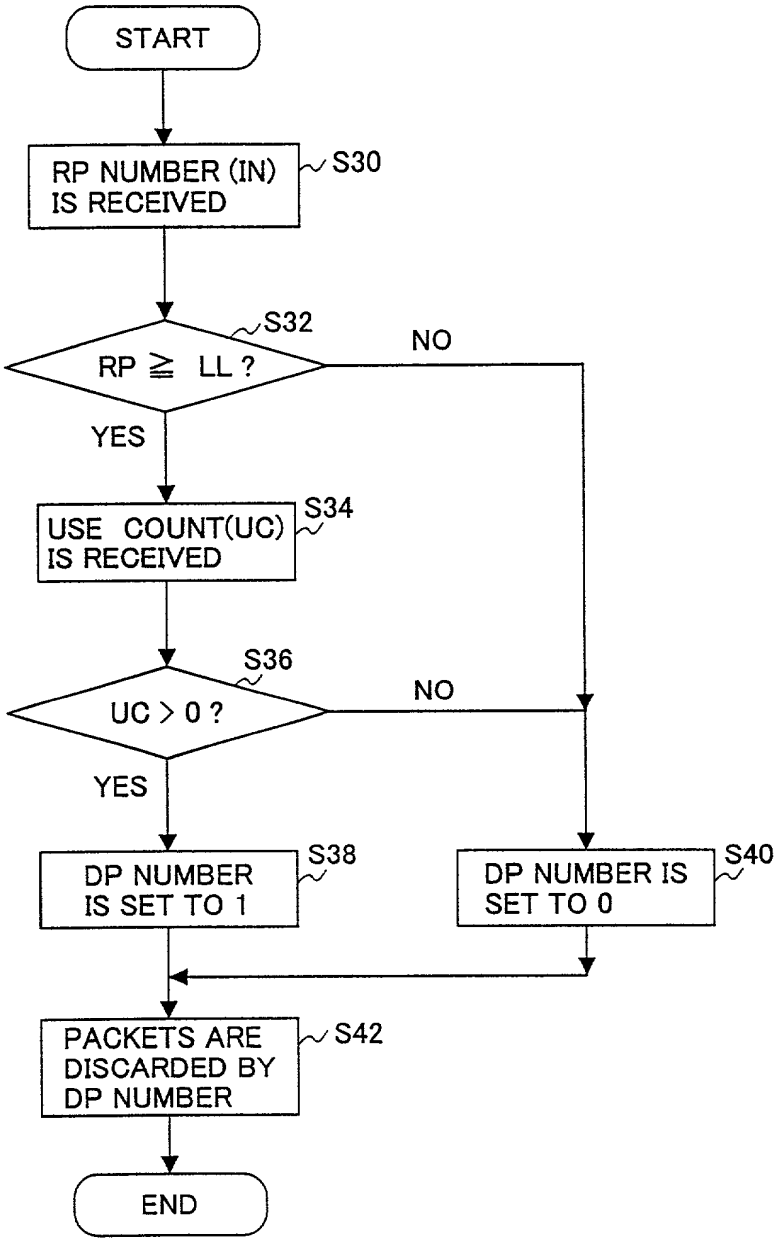

START
RP NUMBER (IN) IS RECEIVED
S30
RP ≧ LL ?
S32
NO
YES
USE COUNT(UC) IS RECEIVED
S34
UC > 0 ?
S36
NO
YES
DP NUMBER IS SET TO 1
S38
DP NUMBER IS SET TO 0
S40
PACKETS ARE DISCARDED BY DP NUMBER
S42
END

FIG.6

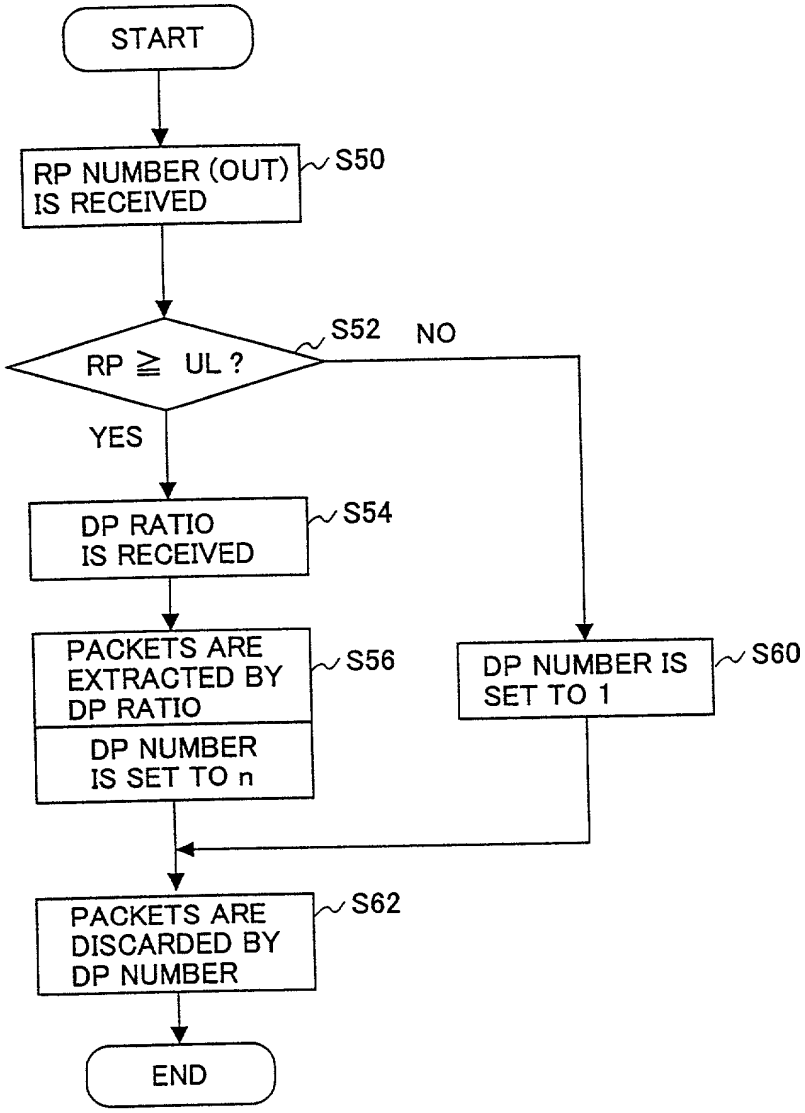

START
RP NUMBER (OUT) IS RECEIVED
S50
RP ≧ UL ?
S52
NO
YES
DP RATIO IS RECEIVED
S54
PACKETS ARE EXTRACTED BY DP RATIO
DP NUMBER IS SET TO n
S56
DP NUMBER IS SET TO 1
S60
PACKETS ARE DISCARDED BY DP NUMBER
S62
END

FIG.7

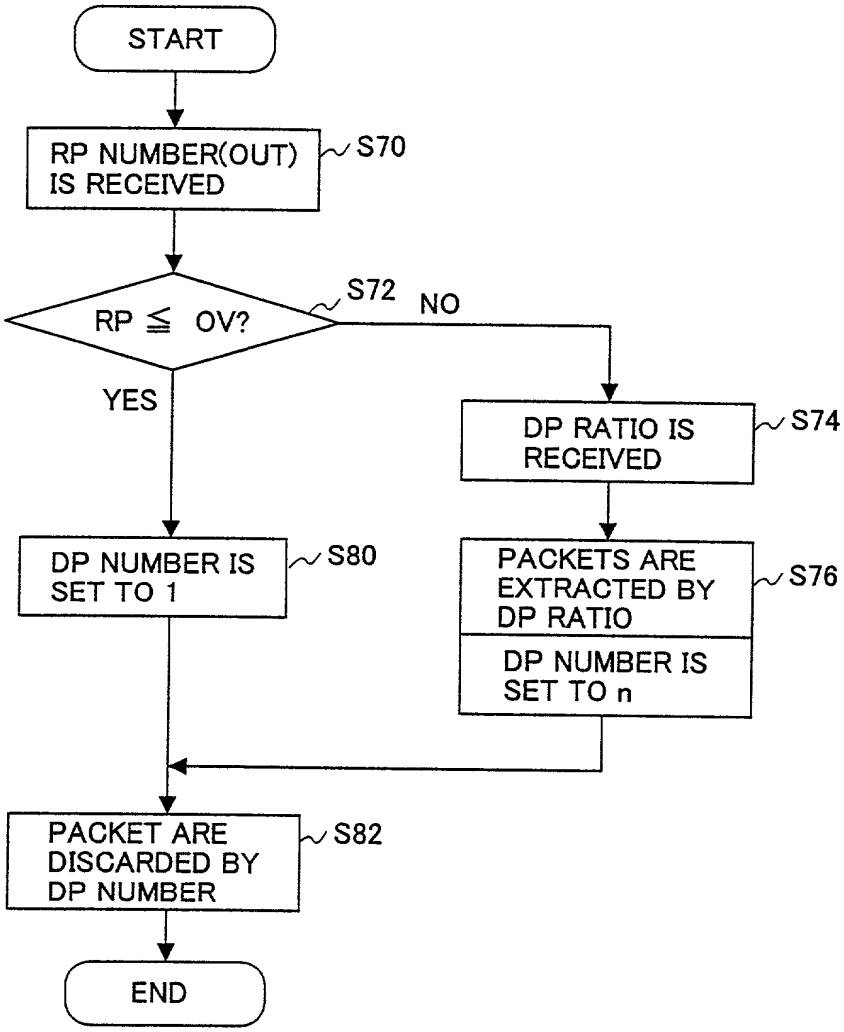

START
RP NUMBER(OUT) IS RECEIVED
S70
RP ≦ OV?
S72
NO
YES
DP RATIO IS RECEIVED
S74
DP NUMBER IS SET TO 1
S80
PACKETS ARE EXTRACTED BY DP RATIO
S76
DP NUMBER IS SET TO n
PACKET ARE DISCARDED BY DP NUMBER
S82
END

FIG.8

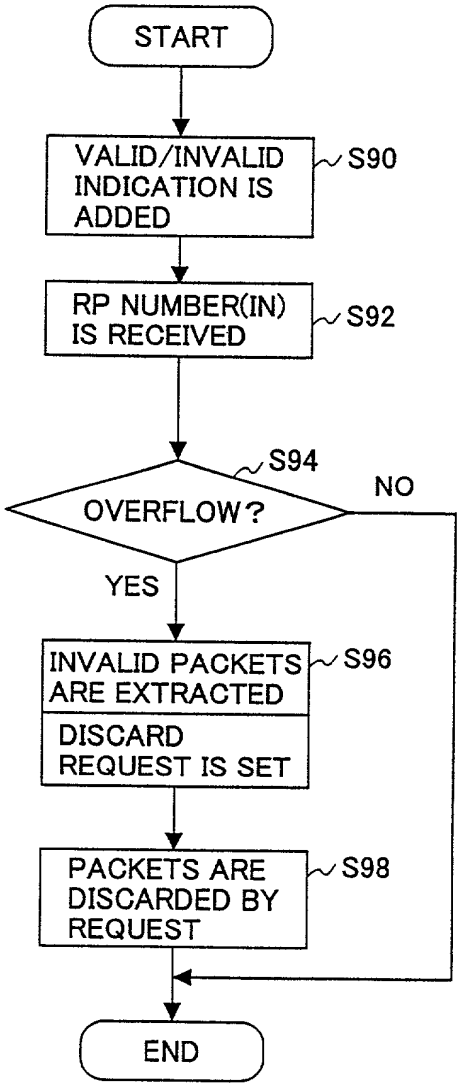
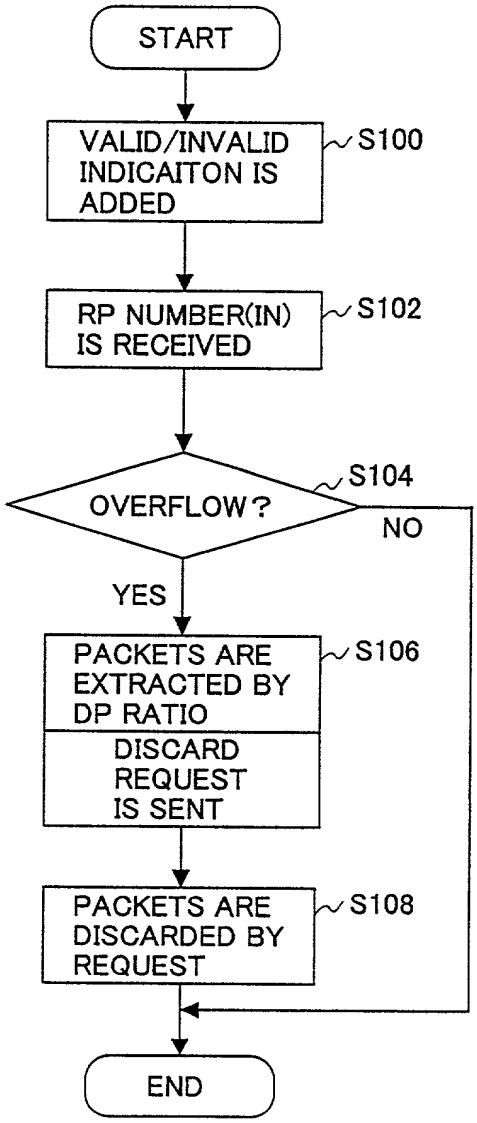

START
VALID/INVALID INDICATION IS ADDED
S90
RP NUMBER(IN) IS RECEIVED
S92
S94
OVERFLOW?
NO
YES
INVALID PACKETS ARE EXTRACTED
DISCARD REQUEST IS SET
S96
PACKETS ARE DISCARDED BY REQUEST
S98
END

FIG.9


START
VALID/INVALID INDICAITON IS ADDED
S100
RP NUMBER(IN) IS RECEIVED
S102
OVERFLOW?
S104
NO
YES
PACKETS ARE EXTRACTED BY DP RATIO
DISCARD REQUEST IS SENT
S106
PACKETS ARE DISCARDED BY REQUEST
S108
END

TOSHIBA SHEET

FIG. 10

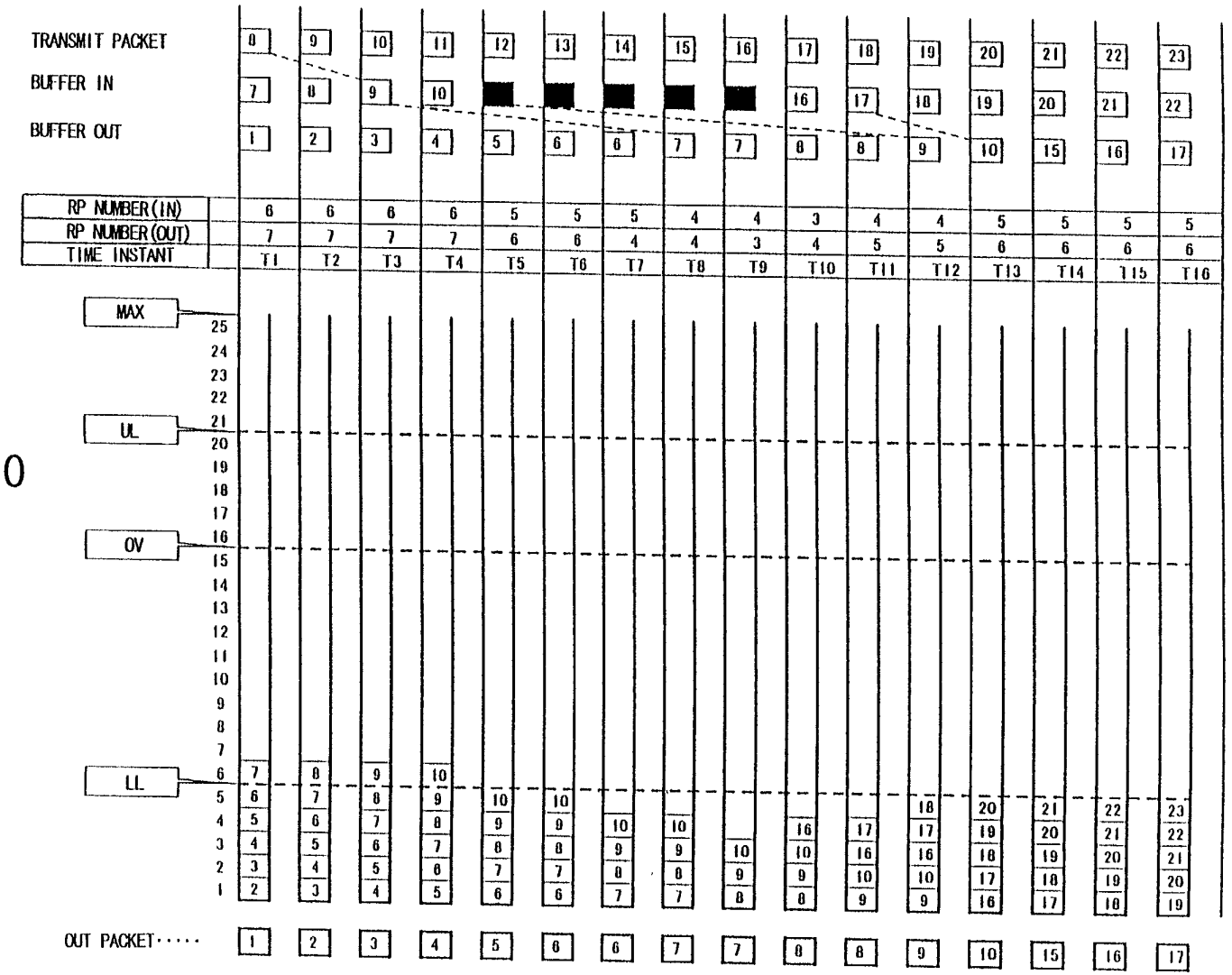


FIG. 11

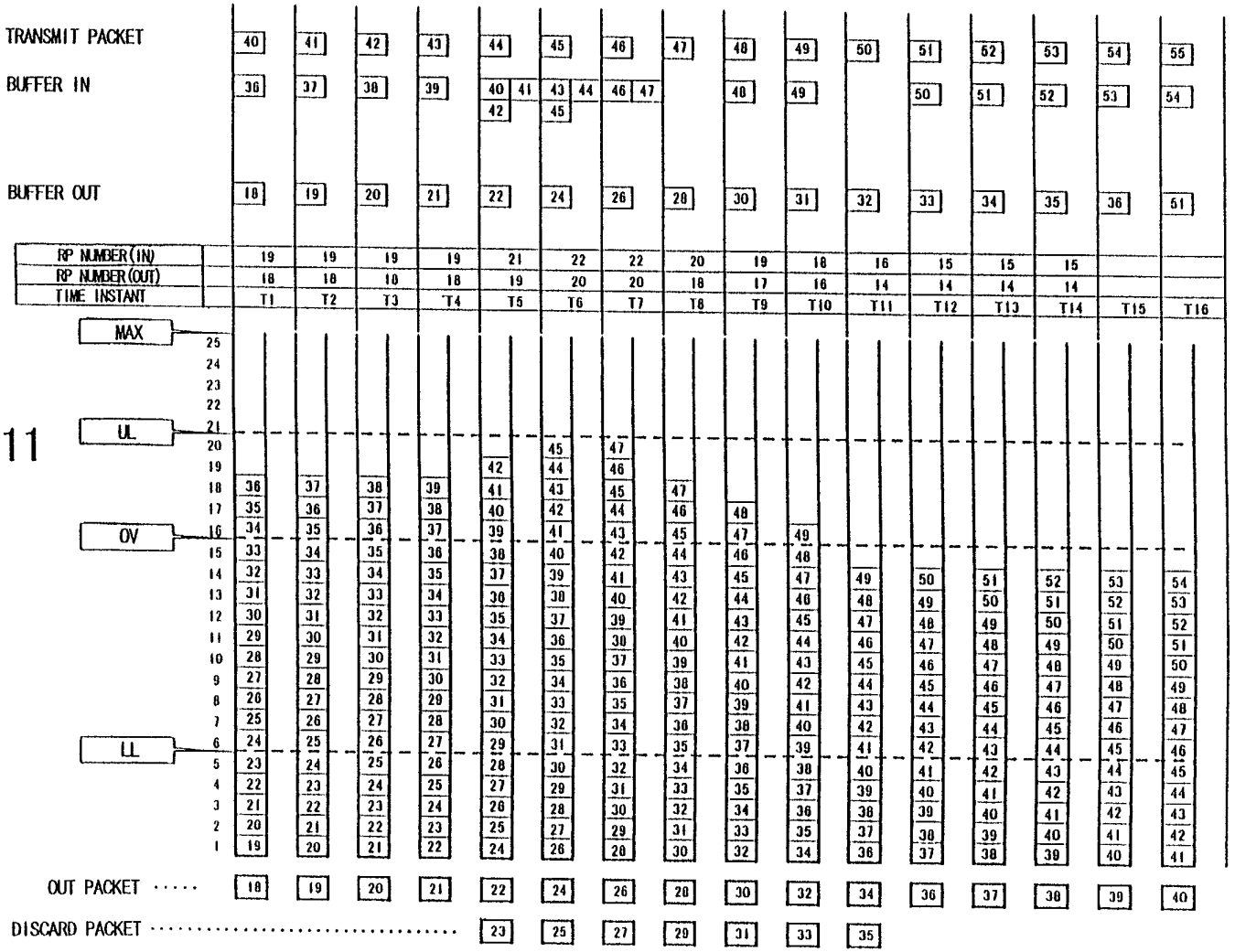

TRANSMIT PACKET
BUFFER IN
BUFFER OUT
RP NUMBER(IN)
RP NUMBER(OUT)
TIME INSTANT
T1 T2 T3 T4 T5 T6 T7 T8 T9 T10 T11 T12 T13 T14 T15 T16
MAX
UL
OV
LL
OUT PACKET
DISCARD PACKET

FIG. 12

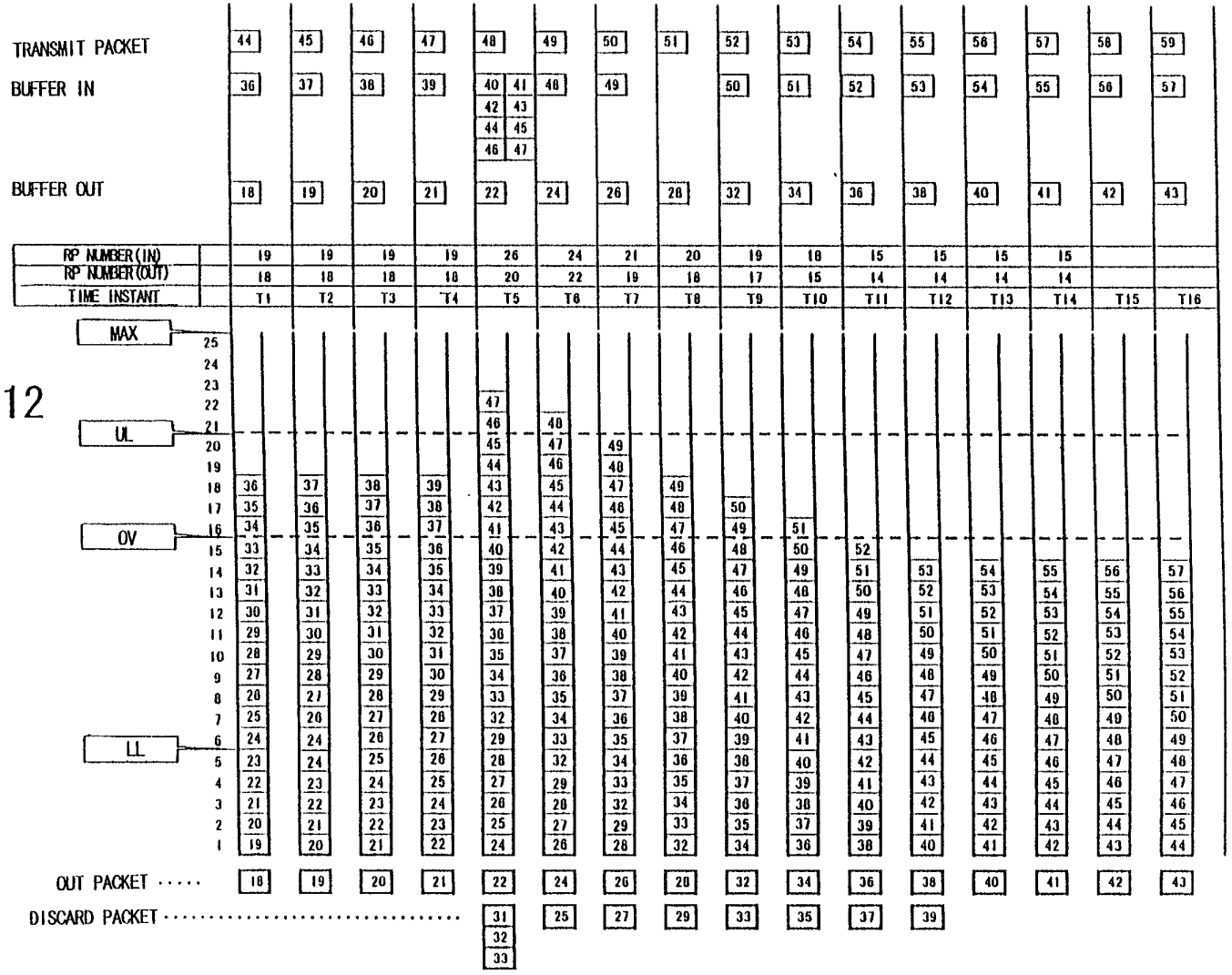
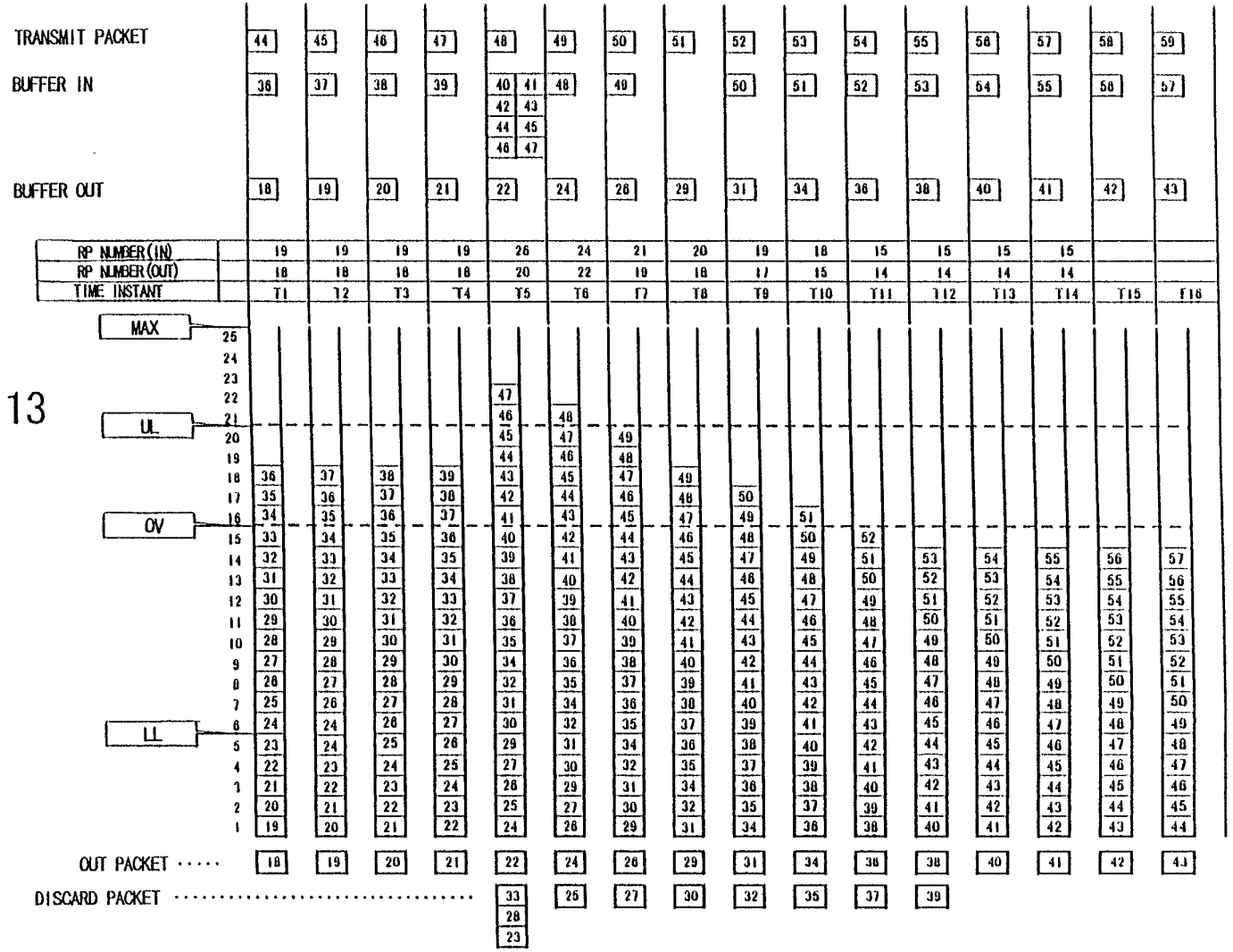

TRANSMIT PACKET
BUFFER IN
BUFFER OUT
RP NUMBER(IN)
RP NUMBER(OUT)
TIME INSTANT
T1 T2 T3 T4 T5 T6 T7 T8 T9 T10 T11 T12 T13 T14 T15 T16
MAX
UL
OV
LL
OUT PACKET
DISCARD PACKET

FIG. 13


TRANSMIT PACKET
BUFFER IN
BUFFER OUT
RP NUMBER(IN)
RP NUMBER(OUT)
TIME INSTANT
MAX
UL
OV
LL
OUT PACKET
DISCARD PACKET